SQL Check Project.sql

DROP TABLE IF EXISTS [Game.Play];

DROP TABLE IF EXISTS [Game.Perform];

DROP TABLE IF EXISTS [Game.Location];

DROP TABLE IF EXISTS [Game.Year];

DROP TABLE IF EXISTS [Game.Conference];

DROP TABLE IF EXISTS [Game.Opponent];

DROP TABLE IF EXISTS [Game.Team];

-- Create Team table

CREATE TABLE [Game.Team] (

teamId INTEGER NOT NULL,

teamName VARCHAR(25) NOT NULL,

CONSTRAINT pk\_Team\_teamId PRIMARY KEY (teamId)

);

-- Create Opponent table

CREATE TABLE [Game.Opponent] (

opntId INT NOT NULL,

opntName VARCHAR(25) NOT NULL,

CONSTRAINT pk\_Opponent\_opntId PRIMARY KEY (opntId)

);

-- Create Conference table

CREATE TABLE [Game.Conference] (

confId INT NOT NULL,

confName VARCHAR(30) NOT NULL,

CONSTRAINT pk\_Conference\_confId PRIMARY KEY (confId)

);

-- Create Year table

CREATE TABLE [Game.Year] (

year INT,

CONSTRAINT pk\_Year\_year PRIMARY KEY (year)

);

-- Create Location table

CREATE TABLE [Game.Location] (

locnId INT NOT NULL,

locnName VARCHAR(50),

locnState VARCHAR(50),

locnCity VARCHAR(50),

CONSTRAINT pk\_Location\_confId PRIMARY KEY (locnId)

);

-- Create Perform table

CREATE TABLE [Game.Perform](

opntId INT NOT NULL,

locnId INT NOT NULL,

confId INT NOT NULL,

CONSTRAINT pk\_Perform\_opntId\_locnId\_confId

PRIMARY KEY (opntId, locnId, confId),

CONSTRAINT fk\_Perform\_opntId FOREIGN KEY (opntId)

REFERENCES [Game.Opponent] (opntId)

ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT fk\_Perform\_locnId FOREIGN KEY (locnId)

REFERENCES [Game.Location] (locnId)

ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT fk\_Perform\_confId FOREIGN KEY (confId)

REFERENCES [Game.Conference] (confId)

ON DELETE NO ACTION ON UPDATE CASCADE

);

-- Create Play table

CREATE TABLE [Game.Play](

opntId INT NOT NULL,

locnId INT NOT NULL,

year INT,

gameDate DATE,

gameTime TIME,

gameType VARCHAR (30),

gameTeamScore INT NOT NULL,

gameOpponentScore INT NOT NULL,

CONSTRAINT pk\_Play\_opntId\_locnId\_year\_gameDate\_gameTime

PRIMARY KEY (opntId, locnId, year, gameDate, gameTime),

CONSTRAINT fk\_Play\_opntId FOREIGN KEY (opntId)

REFERENCES [Game.Opponent] (opntId)

ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT fk\_Play\_locnId FOREIGN KEY (locnId)

REFERENCES [Game.Location] (locnId)

ON DELETE NO ACTION ON UPDATE CASCADE,

CONSTRAINT fk\_Play\_year FOREIGN KEY (year)

REFERENCES [Game.Year] (year)

ON DELETE NO ACTION ON UPDATE CASCADE

);

-- Insert data into Team table

INSERT INTO [Game.Team] (teamId, teamName) VALUES

(10001, 'Maryland')

-- Insert data into Opponent table

INSERT INTO [Game.Opponent] (opntId, opntName) VALUES

(10002, 'Oklahoma'),

(10003, 'Jacksonville'),

(10004, 'Elon'),

(10005, 'Nc Greensboro'),

(10006, 'James Madison'),

(10007, 'Va Commonwealth'),

(10008, 'Howard'),

(10009, 'Clemson'),

(10010, 'Nc Asheville'),

(10011, 'Georgia Tech'),

(10012, 'Coppin State'),

(10013, 'Duke'),

(10014, 'North Carolina'),

(10015, 'Richmond'),

(10016, 'No Carolina St'),

(10017, 'George Washington'),

(10018, 'MARYLAND EASTERN SHORE'),

(10019, 'Virginia'),

(10020, 'Towson'),

(10021, 'UMBC');

-- Insert data into Conference table (only 6 unique values)

INSERT INTO [Game.Conference] (confId, confName) VALUES

(20001, 'Big Ten'),

(20002, 'Coastal Caroline Tournament'),

(20003, 'NCAA Greenville Regional'),

(20004, 'NCAA College Park Regional'),

(20005, 'Cambria College Classic'),

(20006, 'NCAA Winston-Salem Regional');

-- Insert data into year table

INSERT INTO [Game.Year] (year) VALUES

(1999),

(2000),

(2001),

(2002),

(2003),

(2004),

(2005),

(2006),

(2007),

(2008),

(2009),

(2010),

(2011),

(2012),

(2013),

(2014),

(2015),

(2016),

(2017),

(2018),

(2019),

(2020),

(2021),

(2022),

(2023);

-- Insert data into location table

INSERT INTO [Game.Location] (locnId, locnName) VALUES

(30001, 'ACC-Disney Blast Orlando', 'FL'),

(30002, 'Elon College', 'NC'),

(30003, 'UNC-Greensboro', 'NC'),

(30004, 'James Madison', 'VA'),

(30005, 'VCU', 'VA'),

(30006, 'Maryland', 'MD'),

(30007, 'UNC-Asheville', 'NC'),

(30008, 'Georgia Tech', 'GA'),

(30009, 'Duke', 'NC'),

(30010, 'Howard', 'DC'),

(30011, 'Richmond', 'VA'),

(30012, 'NC State', 'NC'),

(30013, 'Virginia', 'VA'),

(30014, 'Richmond', 'VA'),

(30015, 'College Park', 'MD'),

(30016, 'Durham', 'NC'),

(30017, 'Charleston', 'SC'),

(30018, 'Harmans', 'MD'),

(30019, 'Fairfax', 'VA'),

(30020, 'Washington', 'DC');

-- Insert data into perform table

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10002, 30001, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10003, 30002, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10004, 30003, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10005, 30004, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10006, 30005, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10007, 30006, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10008, 30007, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10009, 30008, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10010, 30009, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10011, 30010, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10012, 30011, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10013, 30012, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10014, 30013, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10015, 30014, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10016, 30015, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10017, 30016, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10018, 30017, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10019, 30018, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10020, 30019, NULL);

INSERT INTO [Game.Perform] (opntId, locnId, confId) VALUES (10021, 30020, NULL);

-- Insert data into play table

INSERT INTO [Game.Play] (opntId, locnId, year, gameDate, gameTime, gameType, gameTeamScore, gameOpponentScore) VALUES

(10002, 30001, 1999, '1999-01-29', '15:00:00', 'Regular', 9, 10),

(10003, 30002, 1999, '1999-01-30', '19:00:00', 'Regular', 2, 12),

(10004, 30003, 1999, '1999-02-13', '12:00:00', 'Regular', 14, 3),

(10005, 30004, 1999, '1999-02-13', '15:00:00', 'Regular', 8, 3),

(10006, 30005, 1999, '1999-02-14', '13:00:00', 'Regular', 3, 2),

(10007, 30006, 1999, '1999-02-20', '13:00:00', 'Regular', 4, 7),

(10008, 30007, 1999, '1999-02-27', '12:00:00', 'Regular', 3, 3),

(10009, 30008, 1999, '1999-03-05', '16:00:00', 'Regular', 3, 4),

(10010, 30009, 1999, '1999-03-06', '12:00:00', 'Regular', 15, 7),

(10011, 30010, 1999, '1999-03-06', '16:00:00', 'Regular', 6, 8),

(10012, 30011, 1999, '1999-03-07', '12:00:00', 'Regular', 2, 9),

(10013, 30012, 1999, '1999-03-14', '19:00:00', 'Regular', 5, 6),

(10014, 30013, 1999, '1999-03-15', '12:00:00', 'Regular', 14, 7),

(10015, 30014, 1999, '1999-03-19', '21:00:00', 'Regular', 3, 11),

(10016, 30015, 1999, '1999-03-20', '12:00:00', 'Regular', 1, 5),

(10017, 30016, 1999, '1999-03-22', '19:00:00', 'Regular', 28, 2),

(10018, 30017, 1999, '1999-03-23', '12:00:00', 'Regular', 12, 5),

(10019, 30018, 1999, '1999-03-25', '15:00:00', 'Regular', 21, 13),

(10020, 30019, 1999, '1999-03-28', '12:00:00', 'Regular', 15, 12),

(10021, 30020, 1999, '1999-03-31', '19:00:00', 'Regular', 10, 15);